

**METHOD FOR DETECTING A PROPENSITY OF
AN INDIVIDUAL TO RESPONSE EFFECTIVELY
TO TREATMENT OF INTERFERON- α AND
RIBAVIRIN COMBINED THERAPY**

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ABSTRACT OF THE DISCLOSURE

10 It is provided isolated polynucleotides that include
sequences from genomic region around the gene CD 81. The
polynucleotides include polymorphisms associated with
treatment response of HCV patients to interferon- α and
ribavirin combined therapy and are useful as the probes in
15 screening for patients who will response to interferon- α and
ribavirin combined therapy. It is further provided linkage
disequilibrium structure of the CD81 gene and haplotype
information within a particular LD block, which can be used
for prediction of the treatment outcome of the interferon- α and
20 ribavirin combined therapy on HCV patients.